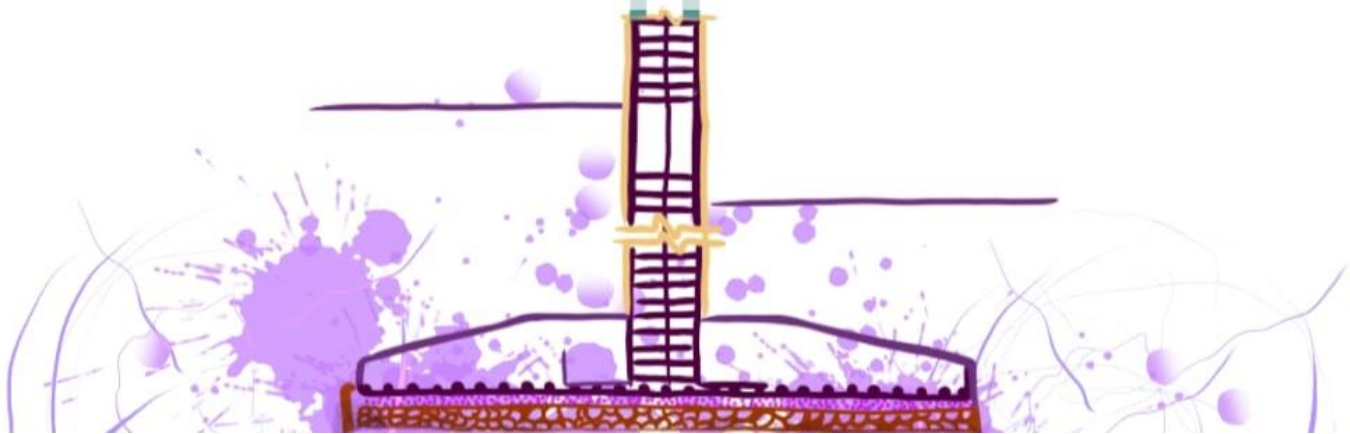


A stylized illustration of a tree with teal branches and a splatter background of teal and light green. The tree is centered at the top of the page.

**BULLETIN**  
**INVINCIBLE**

JULY-DEC  
2022

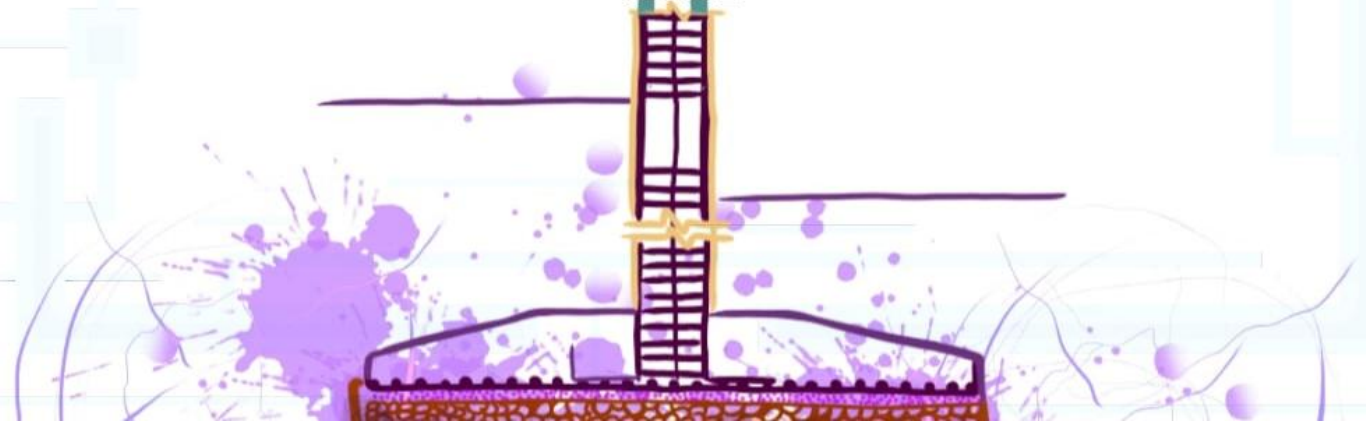




**BULLETIN**

# **INVINCIBLE**

JULY-DEC  
2022



# **EDITORIAL MESSAGE**

**Dear readers,**

**It is our honor to welcome you to the latest edition of the Department Bulletin “INVINCIVIL” for the Department of Civil Engineering. In these pages, you will find updates, news, and insights on the latest advancements and achievements within our department.**

**It’s time to gear up and celebrate our achievements and look forward to the future. Let’s take a moment to recognize the hard work, dedication, and innovation that defines our department among these pages. So, grab your hard hats and let’s dive in to the latest updates and news from the department bulletin.**

**But none of this would be possible without the support of our community. We are grateful for the contributions of our beloved faculties, students and supporters who make it possible for us to continue pushing the boundaries of what is possible in civil engineering.**

**Sincerely,**

**Aishwarya Chandrasekaran**

**Preethi . E**



# *Behind the Scenes*



## **CHIEF EDITOR**

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*Professor of Civil Engineering, Dean, School of Infrastructure*

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*2021-23*

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*2021-23*

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*B.Tech*  
*2019-23*

# KNOWLEDGE QUEST

## INDUSTRIAL VISITS

## GAINING NEW PERSPECTIVE

During industrial visits, professionals in the industry share their knowledge, skills, and experiences with the students. Industrial visits provide a unique opportunity for students to see first hand how theory is put into practice, and learn from experienced professionals in the industry. By witnessing the daily operations of an organization, students can gain a deeper understanding of the industry, and develop a better appreciation of the challenges and opportunities that exist within it.

## MISSION STATEMENT

# VISIT GOAL

Industrial visits offer a collaborative learning experience between theoretical progress and real-world applications while providing students with a chance to explore their career prospects.



## KNOWLEDGE QUEST

### TREATMENT PLANT VISIT

**NOVEMBER 21-23**

The Department of Civil Engineering organized a three-day visit to various water treatment plants for B.Tech. II Year students (class of 2020–2024) from November 21–23, 2022. Sixty-six students and four Faculties visited the Koyembedu Sewage Treatment Plant, the Kilpauk Water Treatment Plant, and the Nemmeli Desalination Plant to gain insight into the processes involved in purifying polluted water.

### CSIR THARAMANI VISIT

**SEPTEMBER 26**

On September 26, 2022, students from MTech Structural Engineering and CEPM attended the foundation day ceremony at CSIR. At CSIR, Taramani, the students visited the following facilities: The Advanced Materials Laboratory, the Advanced Materials Testing and Research Laboratory, the Fatigue and Fracture Laboratory, and the Advanced Seismic Testing and Research Laboratory

“  
**FROM  
THE  
TOP**



”

### Technical Talks

DR. HAJI SHEIK MOHAMMED  
PROFESSOR & DEAN

**06 JULY**

IEI Technical Webinar  
on  
Application of Sustainable Concrete in  
Modern Constructions  
Organised by  
The Institution of Engineers (India),  
Kanchepuram Local Centre

IEI Technical Webinar

**14 OCTOBER**

Keynote Address  
on  
‘Durable RC Construction: Need for  
Corrosion Protection and Waterproofing’ in  
the technical meet organized by Association  
of Consulting Civil Engineers (India), Fosroc  
Chemicals (I) Pvt. Ltd. and Tradewinds at  
J.P. Hotel Chennai

**15-17 SEP**

Technical Talk on  
‘Concrete Design, Properties, Deterioration  
Mechanisms and Prevention Methods’ in  
a 3-day workshop on Concrete Designing,  
Performance Evaluation and Characterization  
Techniques, organized by the Centre for  
Nanoscience and Nanotechnology,  
Sathyabama Institute of Science & Technology

**17 AUGUST**

Technical Webinar  
on  
‘Sustainable and Durable Reinforced  
Concrete Structures’  
organized by  
Paavai Engineering College, Namakkal

Technical Talk on  
‘Galvanized Steel Rebars for Durable  
Reinforced Concrete’ in the International  
Conference on Galvanizing & Zinc Spraying  
- New Technologies, Emerging Markets and  
Circular Economy, organized by India Lead  
Zinc Development Association (ILZDA),  
Nagpur 25-27 July 2022.

# ON THE DIAS SEMESTER EVENTS TO THE PERUSAL

A new semester brings a flurry of hectic schedules, dizzying tests, and seemingly endless homework. But what is the excitement of college life without extracurriculars? The adage goes, "All work and no play makes Jack a dull boy," but these technical extravaganzas typically combine work and play. The Department of Civil Engineering hosted several tech-related extracurricular activities from July through November 2022. Read on for descriptions of these events that highlight the numerous student-faculty collaborations, teamwork, learning streaks, and, of course, the spirit!







## ON THE DIAS

# DECEMBER DETAILS

**08**

**TUESDAY**



## THE LEARNING CURVE

Dr A.K. Kaliluthin, Associate Professor in Civil Engineering & Deputy Director (Campus Development & Maintenance), delivered a guest lecture on “Best Practices in Building Construction” at the SIRD in Maraimalai Nagar. The lecture was part of a Technical and Skill Training program for RD and PR Officials, and it aimed to equip attendees with the latest techniques and approaches to ensure high-quality construction projects.

## MAGNIFYING EVENTS

### “Inculcating Universal Human Values in Technical Education”

The faculty of the Department of Civil Engineering, Dr. K. Yogeswari, Professor & Warden TBAK women hostel, and Dr. Priya V.S, Associate Professor, attended the five-day online Faculty Development Program conducted by AICTE.



**19-23**

**MON-FRI**

**ON THE DIAS**

**NOVEMBER**  
*NOTES*

The Department of Civil Engineering, School of Infrastructure hosted a guest lecture on November 28, 2022, at 2:30 p.m., collaborating with the Society of Civil Engineers, the American Society of Civil Engineers, and the Indian Concrete Institute. Er.D. Surendar, Deputy Manager of Chennai Metro Rail Limited, gave a presentation entitled “Practical Applications and Scope of Structural Engineering in Different Industries.” He described the variety of employment opportunities open to civil engineering graduates, the advantages of each sector, and their potential within various divisions.

**HOSTED  
BY**

**Department  
of Civil  
Engineering,  
School of  
Infrastructure**

**GUEST LECTURE**

**PRACTICAL APPLICATIONS  
& SCOPE  
OF STRUCTURAL ENGINEERING  
IN VARIOUS INDUSTRIES”**

**28.11.2022**

**2 . 3 0 p m**



**GUEST  
SPEAKER**

**ER.D. SURENDER**



## ON THE DIAS

# NOVEMBER NOTES

**01**  
**TUESDAY**

Mr. Y. IBRAHIM, Asst.Prof participated in One day National Level Workshop on „Design and Development of Drone – Hands-on Experience” organized by Bharat Ratna Indira Gandhi College of Engineering– Solapur, Maharashtra.

**02**  
**WEDNESDAY**

Ms. K. Kanmani, Asst. Prof. attended a one-day Workshop on „Satellite Data Ordering workshop through BHOONIDHI – 2022” held as a Webinar by NRSC, ISRO, Hyderabad.

Dr A. K. Kaliluthin, Associate Professor in Civil Engineering & Deputy Director (Campus Development & Maintenance), delivered a Guest Lecture on „Good Practices in Construction” in Er. Perumal Manimekalai College of Engineering, Hosur, organized by the Department of Civil Engineering.

**05**  
**SATURDAY**

Ms. K. Kanmani recently attended a three-day training programme on Bhuvan Overview, which was conducted by the National Remote Sensing Centre (NRSC) of the Indian Space Research Organisation (ISRO) in Hyderabad.

**09-11**  
**WED-FRI**



*Page for Glory*

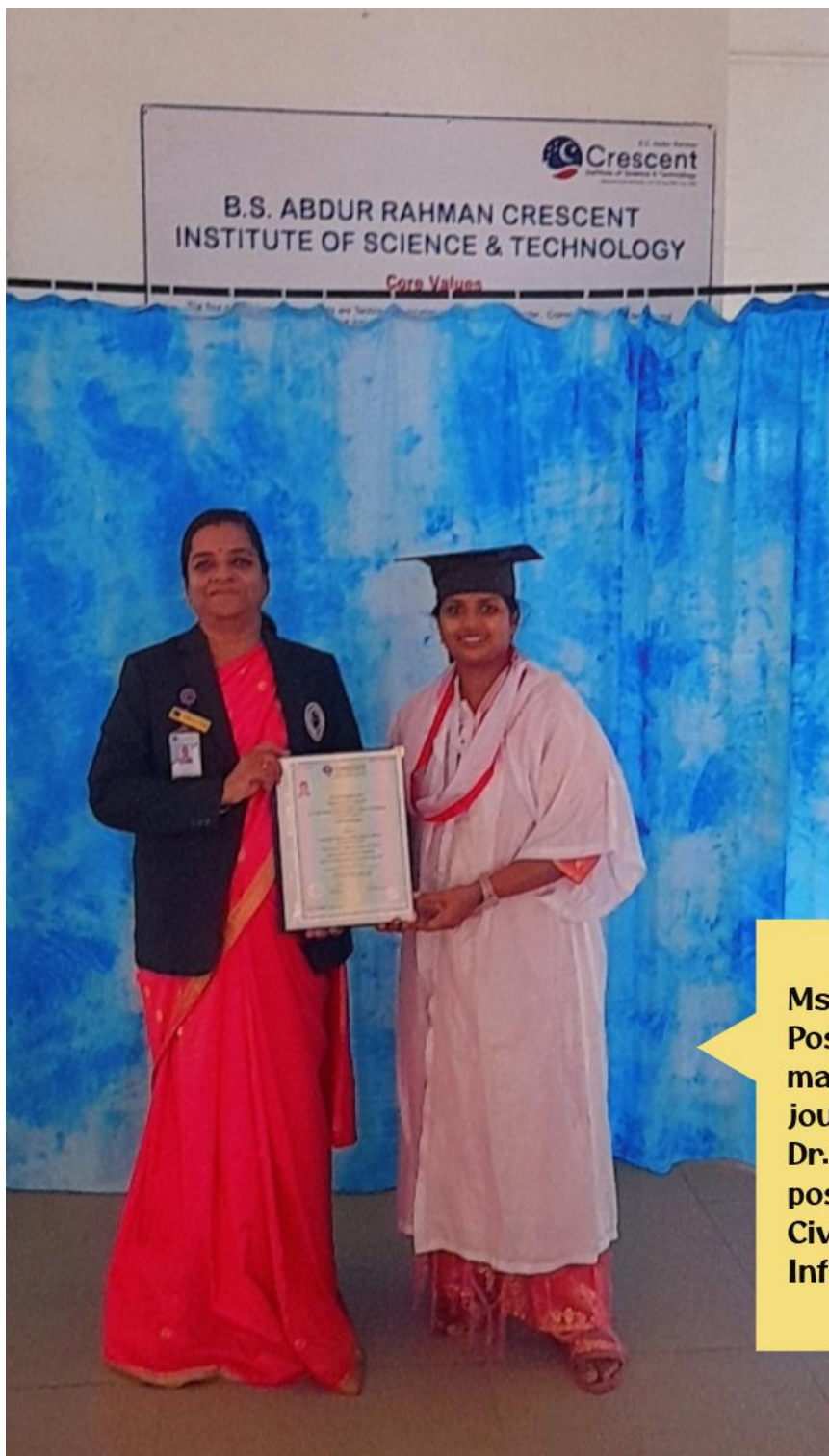
DR. HAJI SHEIK MOHAMMED  
PROFESSOR & DEAN

**NOVEMBER**  
**2022**

**OUTSTANDING  
CONCRETE  
TEACHER  
AWARD**

The award was presented by the  
Indian Concrete Institute - Chennai  
centre.





**FACULTY  
CORNER**

**ON THE DIAS**

**NOVEMBER**  
*NOTES*

**POST  
DOCTORATE  
GRADUATION**

**Ms. B. Indu's triumphant completion of her Post Doctorate degree was celebrated, marking the culmination of her academic journey under the expert mentorship of Dr. K. Yogeswari, who holds the esteemed position of Professor in the Department of Civil Engineering, School of Infrastructure.**

**ON THE DIAS**

**OCTOBER**  
*OCCASION*

On October 20, 2012, the Department of Civil Engineering at the School of Infrastructure officially launched its student organizations for the 2022-2023 academic year: the Society of Civil Engineers, the Student Chapter of the American Society of Civil Engineers, and the Indian Concrete Institute. Dr Vasanthi Padmanabhan, Dean of the School of Infrastructure, and Dr Nisha Khanam, Faculty Coordinator and Assistant Professor, gave opening remarks. The Dean (SOI) formally introduced the newly appointed officers of the various societies to the audience. The presidential address was addressed by Dr M.S. Haji Sheik Mohammed, Dean (of Academic Affairs). Mr S. Janakumaran, Project Director at the National Highway Authority of India in Chennai, was the Chief Guest and opened the society's activities with a presentation titled "The Process of Implementing Infrastructure Projects."

**HOSTED  
BY**

**Department  
of Civil  
Engineering,  
School of  
Infrastructure**

**INAUGURATION**

**STUDENT CHAPTER  
SOCIETY OF CIVIL ENGINEERS  
AMERICAN SOCIETY FOR CIVIL  
ENGINEERS  
INDIAN CONCRETE INSTITUTE**

**20.10.2022**

**2022 - 2023**



**GUEST  
SPEAKER**

**MR. S. JANAKUMARAN,  
PROJECT DIRECTOR,  
NATIONAL HIGHWAY  
AUTHORITY OF INDIA, CHENNAI**



# ON THE DIAS OCCASIONS OCTOBER

## CONSULTANCY SERVICES

"REVVING UP  
TRAFFIC SOLUTIONS

"

## FEAT OF ACHIEVEMENT

A feasibility study to ease traffic at Chennai's Vandalur Junction was delivered to the Chengalpattu Collector. The investigation, which included various recommendations to address the issue, was supervised by Dr K. Yogeswari. The consultancy value of this report was Rs. 1,00,000 (one lakh Indian rupees) and was submitted in October 2022. The report is anticipated to offer insightful information for the local government to improve traffic flow at the busy intersection.

## MAGNIFYING EVENTS

Ms K. Kanmani, Assistant professor, actively participated in a 21-day faculty induction and orientation program designed specifically for faculty members working at universities, colleges, and institutes. This program was conducted by the Teaching Learning Centre at Ramanujan College, University of Delhi, in collaboration with the MIT School of Education and Research and the MIT Art, Design, and Technology University, under the direction of the Ministry of Education and the Pandit Madan Mohan Malavia National Mission for Teachers and Teaching, between September 20 and October 19, 2022. Ms Kanmani was awarded an A+ for her outstanding performance throughout the course.

FACULTY  
DEVELOPMENT  
PROGRAM

20-19  
SEP-OCT

**ON THE DIAS**

**SEPTEMBER**  
*SOIREE*

The plenary speaker was Mr. M. Vasudevan, Superintending Engineer, PWD, Chepauk, Chennai office's Planning and Design Circle.

Sir Er. M. Visveshwaraya, a brilliant engineer and recipient of the Bharat Ratna, was praised at the outset of his address for his many successful civil engineering projects. He elaborated on the value, advantages, and career opportunities available to those with expertise in civil engineering and motivated young people to consider careers as engineers.

**ENGINEER'S DAY**

**15.09.2022**

**2022 - 2023**

**GUEST  
SPEAKER**

**ER. M. VASUDEVAN,**  
SUPERINTENDING ENGINEER  
**PLANNING & DESIGN**  
CIRCLE, PWD, CHEPAUK, CHENNAI.

**HOSTED  
BY**

Department of Civil  
Engineering,  
School of Infrastructure  
in association with  
The Institution of  
Engineers (India),  
Kancheepuram.







**ON THE DIAS**

**SEPTEMBER**  
*SOIREE*

**20**  
**WEBINAR**  
**TUESDAY**

**THE LEARNING CURVE**

Mr Y. Ibrahim attended the September 20th, 2022, webinar “Effective Writing of Research Articles with Grammarly,” hosted by the B.S. Abdul Rahman Crescent Institute of Science and Technology in collaboration with Bridge People Technology Solutions.

**MAGNIFYING EVENTS**

“Inculcating Universal Human Values in Technical Education”

The faculty of the Department of Civil Engineering, Ms M. Kanmani, Assistant Professor; Ms M. Ayisha Sidiqna, Assistant Professor; Mr Y. Ibrahim, Assistant Professor; and Mr A. Sheik Farid, Assistant Professor, attended the five-day online Faculty Development Program conducted by AICTE.

**FACULTY  
DEVELOPMENT  
PROGRAM**

**19-23**  
**MON-FRI**



*Page for Glory*

DR. HAJI SHEIK MOHAMMED  
PROFESSOR & DEAN

**SEPTEMBER**  
**2022**

Chair – Symposia  
on  
Corrosion in RC structures,  
International Conference & Symposia  
on Corrosion  
CORCON 2022, Udaipur



**ON THE DIAS**

**JULY** JOURNAL

Dr. M.S.Haji Sheik Mohamed, Professor & Dean-Academic Affairs, BSACIST, and A. Leema Rose, Associate Professor at SRM Valliamai Engineering College, delivered keynote addresses on the topic of “Galvanized Steel Rebars for Durable and Sustainable Reinforced Concrete.” About 138 people, including instructors and students, participated in this webinar. The benefits of sustainable building approaches in the construction industry were further explored.

HOSTED BY

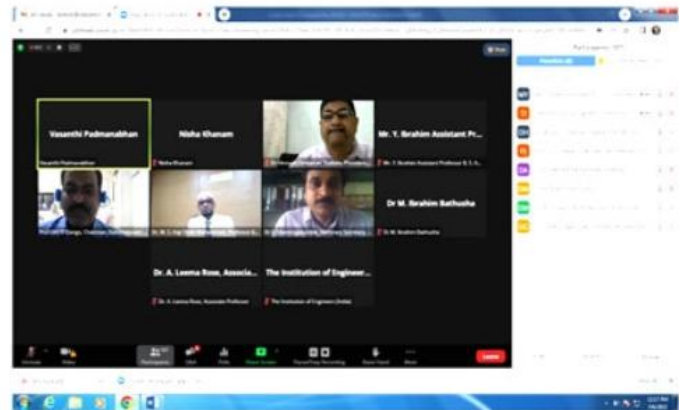
Department of Civil Engineering,  
School of Infrastructure  
in collaboration with  
The Institution of Engineers (India)

“  
**TECHNICAL WEBINAR**  
”

**APPLICATION OF  
SUSTAINABLE CONCRETE  
IN  
MODERN CONSTRUCTION**

**06.07.2022**

**2022 - 2023**




**GUEST SPEAKERS**

**DR.H.O. THAKARE  
PRESIDENT (IEI)  
KANCHIPURAM LOCAL CENTRE**

**DR.D.ELANGO, FIE  
COUNCIL MEMBER & CHAIRMAN, IEI  
KANCHIPURAM LOCAL CENTRE**

**DR.G.SHANMUGASUNDAR,  
HONORARY SECRETARY, IEI  
KANCHIPURAM LOCAL CENTRE**

# TRAINING TALE



**M.TECH CONSTRUCTION  
ENGINEERING STUDENTS  
2021-23 underwent a  
month long Traffic survey  
training by CMDA at  
Ominibus Terminus,  
Koyambedu**

*Check out  
the deets!*

Under the guidance of Dr. K.Yogeswari, the students of Department of Civil Engineering, B.Tech and M.Tech, the successful completion of CMDA – Construction Wing- Circle – II – “Collection of parking Fee for vehicles entering the Chennai Contract Carriage Bus Terminus at Koyambedu” – conduct vehicles survey August 2022 for Rs 1,78,000 (Rupees one lakh, Seventy eight thousand)

READ ON





Shhhhh

DILIGENT  
STUDENTS  
HERE



Shhhhh

DILIGENT  
STUDENTS  
HERE



# Takeaway Trove

ACCESS TO SUCCESS

“THE BEST THINGS  
IN LIFE ARE FREE

ACADEMIC SITES  
AND SOFTWARE

**FREE  
LICENSE**

THRU INSTITUTION

**Credit  
Courses  
Free.**

**FREE  
WEBSITES**

1. engineer4free
2. edX
3. Saylor.org academy
4. IITBombayx
5. LearnVern

# CIVIL

*Design & Analysis*

midas CIVIL  
SkyCIV Structural 3D  
Goldsim  
VOSviewer  
Qatium  
4MCAD

# CIVIL

*Management*

InGeek  
BuildSMART  
SMART Project  
Control  
Buildertrend  
CADOC